Release notes for ENDF/B Development dec-055_Cs_118m1 evaluation

October 13, 2016

- `fizcon`   Warnings:

    1. We don't know the energy of the isomer in question, FIZCON should just lighten up and let science progress
       MAT=1769, MF= 1, MT=451 (1): Unknown ELIS

       ```
       ERROR(S) FOUND IN MAT=1769, MF= 1, MT=451
             ELIS SHOULD NOT BE ZERO FOR A METASTABLE STATE
       ```

    2. Some spectrum is missing. If you can generate it, it would be good since ENDF requires this even if we can't evaluate it.
       MAT=1769, MF= 8, MT=457 (5): Missing spectra

       ```
       ERROR(S) FOUND IN MAT=1769, MF= 8, MT=457
             NO DECAY SPECTRA GIVEN
       ```

- `fizcon`   Errors:

    1. Spin should be ≥ 0.0
       MAT=1769, MF= 8, MT=457 (1): Illegal spin (b)

       ```
       ERROR(S) FOUND IN MAT=1769, MF= 8, MT=457
             NEGATIVE SPIN NOT ALLOWED
       ```

    2. Spin should be integral or half integral
       MAT=1769, MF= 8, MT=457 (2): Illegal spin (a)

       ```
       ERROR(S) FOUND IN MAT=1769, MF= 8, MT=457
             SPIN SHOULD BE INTEGRAL OR HALF INTEGRAL
       ```

    3. Parity set to illegal value
       MAT=1769, MF= 8, MT=457 (3): Bad parity

       ```
       ERROR(S) FOUND IN MAT=1769, MF= 8, MT=457
             PARITY= 0.00000E+00 NOT +1.0 OR -1.0
       ```

    4. Illegal value of RTYPE encountered
       MAT=1769, MF= 8, MT=457 (4): Bad RTYPE

       ```
       ERROR(S) FOUND IN MAT=1769, MF= 8, MT=457
             7 IN RTYPE =  2.70000E+00 IS INVALID      NEAR SEQUENCE NUMBER     3
       ```

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